

Analytical Data Sheet

Lot number

1027438

not for drug use

Catalog Number	J-1175.0250
Product number	4005526.0250
Product	(H- Cys- 4MβNA) ₂ acetate salt (Disulfide bond)
Molecular formula	C ₂₈ H ₃₀ N ₄ O ₄ S ₂
Relative molecular mass	550.70

Tests	Results
Appearance	white powder
Appearance of solution	clear, slightly yellowish solution (50 mg/mL in acetic acid 80%)
Identification (ESI-MS)	m = 550.7 u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% 4MβNA
TLC conditions	chloroform/methanol 7/3 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	76.4% (Nth 10.17%, Nfd 7.77%)
Water content (KF volumetric)	2.4%
Acetic acid content (HPLC)	17.2%
Latest update: November 06, 2009	Analytical Data Sheet Lot number 1027438